LISTING OF CLAIMS

1-35 (canceled)

36. (new) A meldonium salt selected from those of general formula:

$$X^{-}(CH_3)_3N^{+}NHCH_2CH_2COOH$$

wherein X^{-} is an anion selected from dihydrogen phosphate, hydrogen fumarate, hydrogen oxalate, hydrogen maleate, hydrogen pamoate, orotate, galactarate, sulfate, dichloroacetate, hydrogen galactarate, fumarate, taurate, maleate, hydrogen aspartate, creatinate, hydrogen sulfate, magnesium succinate, hydrogen citrate, citrate, succinate, hydrogen succinate, adipinate, hydrogen tartrate, and lactate anions.

37. (new) A salt of Claim 36, which is meldonium dihydrogen phosphate.

38. (new) A salt of Claim 36, which is meldonium hydrogen fumarate.

39. (new) A salt of Claim 36, which is meldonium orotate.

40. (new) A process for producing a meldonium salt of Claim 36, comprising:

(a) dissolving meldonium having the formula $(CH_3)_3NNHCH_2CH_2COOH$ in water or another appropriate solvent;

(b) adding an equimolar quantity of a polybasic acid selected from fumaric acid, phosphoric acid, aspartic acid, citric acid, lactic acid, maleic acid, oxalic acid, and orotic acid;

(c) stirring the mixture at a temperature of from 20 to 50°C until the corresponding salt is formed; and

(d) evaporating the meldonium salt formed in step (c) to dryness, if necessary; and, optionally, recrystallizing the meldonium salt from a suitable solvent.

41. (new) A pharmaceutical composition for oral or sublingual administration,

comprising as active ingredient a salt of Claim 36, together with one or more pharmaceutically acceptable carries, wherein the composition is in a solid or liquid form selected from a tablet, with or without coating, a capsule, a caplet, dragees, granules, a powder, a solution, and a syrup, wherein the composition contains from 0.5 to 5 g of the active ingredient in every tablet, capsule, dragee, granule or powder dose, or from 0.5-40% by weight of the active ingredient in a solution or syrup dose.

42. (new) The pharmaceutical composition of Claim 41, wherein the pharmaceutically acceptable carrier is selected from one or more of the following: stearic acid and its salts, lactose, glucose, saccharose, starch, talc, vegetable oils, polyethylene glycols, microcrystalline cellulose, aerosil, aromatizers, flavoring agents, colorants, ethyl alcohol, and water.

43. (new) A pharmaceutical composition for parenteral administration, comprising as active ingredient a salt of Claim 36, together with a pharmaceutically acceptable solvent, wherein the composition is in the form of a solution for injection, and wherein the composition contains from 0.5 to 40% by weight of the active ingredient.

44. (new) The pharmaceutical composition of Claim 43, wherein the pharmaceutically acceptable solvent is selected from one or more of the following: distilled water, isotonic solution, buffer solution, and glucose solution.

45. (new) A pharmaceutical composition for transcutaneous administration comprising as active ingredient a salt of Claim 36, together with a pharmaceutically acceptable carrier, wherein the composition is in the form of an ointment, cream, gel, solution or plaster, and wherein the composition contains from 0.5 to 40% by weight of the active ingredient.

46. (new) The pharmaceutical composition of Claim 45, wherein the pharmaceutically acceptable carrier is selected from one or more of the

following: water, polyethylene glycols 400, 1500 and 4000, vegetable oils, fats, glycerine, preservants, emulgators, stabilizers, porous polymer material, dimethylsulphoxide, alcohol, and water.

47. (new) A pharmaceutical composition for rectal administration comprising as active ingredient a salt of Claim 36, together with a pharmaceutically acceptable carrier, wherein the composition is in the form of a suppository or microenema, and wherein the composition contains from 0.5 to 40% by weight of the active ingredient.

48. (new) The pharmaceutical composition of Claim 47, wherein the pharmaceutically acceptable carrier is selected from one or more of the following: water, polyethylene glycols 400, 1500 and 4000, vegetable oils, fats, glycerine, preservants, emulgators, and stabilizers.

49. (new) A pharmaceutical composition suitable for once per day administration, comprising as active ingredient a salt of Claim 36 together with one or more pharmaceutically acceptable carriers.